

Title (en)
CONVEYANCE DEVICE, PLANAR CONVEYANCE APPARATUS, AND CONVEYANCE UNIT

Title (de)
FÖRDERVORRICHTUNG, PLANARE FÖRDERVORRICHTUNG UND FÖRDEREINHEIT

Title (fr)
DISPOSITIF DE TRANSPORT, APPAREIL DE TRANSPORT PLAN, ET UNITÉ DE TRANSPORT

Publication
EP 3315436 A1 20180502 (EN)

Application
EP 16814505 A 20160624

Priority
• JP 2015128109 A 20150625
• JP 2016079176 A 20160411
• JP 2016068872 W 20160624

Abstract (en)
Provided are a conveyance device capable of performing traveling operation and turning operation, a planar conveyance apparatus, and a conveyance unit. A conveyance device 1 has a travel part (5) having a belt (2) for allowing an article to be placed, and a turning table (6) that supports the travel part (5). The belt (2) is an endless member suspended between a pair of rollers (3). The belt (2) travels by being engaged with a driving body (4) to which power of a motor for traveling (9) is transmitted by a drive shaft (14). Power of a motor for turning (8) is transmitted to the turning table (6), so that the turning table (6) turns. That is, when the motor for turning (8) is driven, the travel part (5) turns along with the turning table (6).

IPC 8 full level
B65G 47/244 (2006.01); **B65G 15/22** (2006.01); **B65G 21/14** (2006.01); **B65G 23/10** (2006.01)

CPC (source: EP US)
B65G 13/10 (2013.01 - EP US); **B65G 15/22** (2013.01 - EP US); **B65G 21/14** (2013.01 - EP US); **B65G 23/10** (2013.01 - EP US);
B65G 23/22 (2013.01 - US); **B65G 23/24** (2013.01 - US); **B65G 47/244** (2013.01 - EP US); **B65G 47/2445** (2013.01 - US);
B65G 43/08 (2013.01 - US)

Cited by
EP4245701A1; EP3643644A1; IT201800009647A1; US10843872B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3315436 A1 20180502; **EP 3315436 A4 20191113**; CN 107531426 A 20180102; CN 107531426 B 20201027; JP 6804767 B2 20201223;
JP WO2016208736 A1 20180412; US 10577189 B2 20200303; US 2018111767 A1 20180426; WO 2016208736 A1 20161229

DOCDB simple family (application)
EP 16814505 A 20160624; CN 201680025946 A 20160624; JP 2016068872 W 20160624; JP 2017525453 A 20160624;
US 201615573538 A 20160624